



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO.              |
|---|-------------|----------------------|---------------------|-------------------------------|
| 10/004,173  | 10/09/2001  | James Clough         | 10012945-1          | 8648                          |
| 7590  | 04/10/2006  |                      |                     |                               |
| HEWLETT PACKARD COMPANY<br>Intellectual Property Administration<br>P.O. Box 272400<br>Fort Collins, CO 80527-2400 |             |                      |                     | EXAMINER<br>MILIA, MARK R     |
|   |             |                      |                     | ART UNIT<br>2625 PAPER NUMBER |

DATE MAILED: 04/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                 |               |
|------------------------------|-----------------|---------------|
| <b>Office Action Summary</b> | Application No. | Applicant(s)  |
|                              | 10/004,173      | CLOUGH ET AL. |
|                              | Examiner        | Art Unit      |
|                              | Mark R. Milia   | 2622          |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 27 February 2006.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-18 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|  | 6) <input type="checkbox"/> Other: _____                                    |

**DETAILED ACTION**

***Response to Amendment***

1. Applicant's amendment was received on 2/27/06 and has been entered and made of record. Currently, claims 1-18 are pending. The new examiner of record is Mark R. Milia.

***Response to Arguments***

2. Applicant's arguments, see pages 6-13, filed 2/27/06, with respect to the rejection(s) of claim(s) 1-18 under 35 U.S.C. 103(a) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of newly found prior art.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Application Publication No. 2003/0005097 to Barnard et al in view of U.S. Patent No. 6385728 to DeBry.

Regarding claim 1, Barnard discloses a print server, for processing a print job sent by a workstation, the printer comprising: a printer set-up module to provide a print driver for installation on the workstation (see Figs. 2, 4, and 6 and paragraph [0063] lines 1-13).

Barnard does not disclose expressly an authentication module to supply an authentication code to the workstation, and to review the print job sent by the workstation to determine validity of a copy of the authentication code attached to the print job.

DeBry discloses an authentication module to supply an authentication code to the workstation, and to review the print job sent by the workstation to determine validity of a copy of the authentication code attached to the print job (see Figs. 2 and 4, column 4 line 44-column 5 line 7, and column 8 line 50-column 9 line 27).

Regarding claim 6, Barnard discloses a method of printing, comprising: attaching a workstation to a LAN (see Fig. 1 and paragraphs [0030]-[0032]), downloading and installing a print driver on the workstation (see Figs. 2, 4, and 6 and paragraph [0063] lines 1-13), and sending the print job from the print server to a printer (see paragraph [0064] lines 1-13).

Barnard does not disclose expressly downloading an authentication code to the workstation, sending a print job, containing the authentication code, from the workstation to a print server, and verifying validity of the authentication code.

DeBry discloses downloading an authentication code to the workstation (see column 8 lines 50-65), sending a print job, containing the authentication code, from the workstation to a print server (column 8 line 65-column 9 line 4), and verifying validity of the authentication code (see column 9 lines 6-27), and sending the print job from the print server to a printer (see column 10 lines 18-20).

Regarding claims 10 and 13, Barnard discloses downloading and installing a print driver on the workstation (see Figs. 2, 4, and 6 and paragraph [0063] lines 1-13) and sending the print job from the print server to a printer (see paragraph [0064] lines 1-13).

Barnard does not disclose expressly downloading an authentication code to the workstation, sending a print job, containing the authentication code, from the workstation to a print server, and verifying validity of the authentication code.

DeBry discloses downloading an authentication code to the workstation (see column 8 lines 50-65), sending a print job, containing the authentication code, from the workstation to a print server (column 8 line 65-column 9 line 4), and verifying validity of the authentication code (see column 9 lines 6-27), and sending the print job from the print server to a printer (see column 10 lines 18-20).

Regarding claim 18, Barnard discloses a print server, comprising: a printer set-up module to provide a print driver for installation on the workstation (see Figs. 2, 4, and 6 and paragraph [0063] lines 1-13).

Barnard does not disclose expressly an authentication module to supply an authentication code to the workstation, and to review a print job processed by the print driver and sent from the workstation to determine validity of the authentication code attached to the print job.

DeBry discloses an authentication module to supply an authentication code to the workstation, and to review a print job processed by the print driver and sent from the workstation to determine validity of the authentication code attached to the print job (see Figs. 2 and 4, column 4 line 44-column 5 line 7, and column 8 line 50-column 9 line 27).

Barnard & DeBry are combinable because they are from the same field of endeavor, printing based on user printer compatibility.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine the authentication procedure, as described by DeBry, which is well known in the art, with the system of Barnard.

The suggestion/motivation for doing so would have been to provide a secure exchange of data between a computing system and a printing device to ensure only authorized users have access to the systems. Barnard recognizes a need for secure transmission of print data (see paragraph [0053]).

Therefore, it would have been obvious to combine DeBry with Barnard to obtain the invention as specified in claims 1, 6, 10, 13, and 18.

Regarding claim 2, Barnard and DeBry disclose the system discussed in claim 1, and Barnard further discloses a software library to contain the print driver and at least one additional print driver (see Fig. 2 “60” and paragraph [0036] lines 37-39).

Regarding claim 3, Barnard and DeBry disclose the system discussed in claim 1, and Barnard further discloses a webpage interface to gather information from the workstation to indicate a preferred print driver to be sent to the workstation (see paragraphs [0013] lines 5-18, [0038] lines 20-25, [0044] lines 1-3 and 20-28, and [0062]).

Regarding claims 4 and 9, Barnard and DeBry disclose the system discussed in claims 1 and 6, and Barnard further discloses a webpage to present a questionnaire to a user of the workstation (see paragraphs [0062]-[0064]).

Regarding claims 5, 8, 12, and 16, Barnard and DeBry disclose the system discussed in claims 1, 6, 10, and 13, and Barnard further discloses a MAC address, transferred from the workstation to the print server, to aid in the authentication of the workstation (see paragraphs [0045] lines 15-16 and [0046] lines 10-17).

Regarding claims 7 and 15, Barnard and DeBry disclose the system discussed in claims 6 and 13, and Barnard further discloses obtaining information about the workstation (see paragraphs [0013] lines 5-18, [0038] lines 20-25, [0044] lines 1-3 and 20-28, and [0062]-[0064]) and using the information to select the print driver from a library (see paragraphs [0062]-[0064]). DeBry also discloses obtaining information about the workstation (see column 8 line 50-column 9 line 27).

Regarding claims 11 and 14, Barnard and DeBry disclose the system discussed in claims 10 and 13, and Barnard further discloses gathering information from the workstation to indicate a preferred print driver to be sent to the workstation (see paragraphs [0062]-[0064]).

Regarding claim 17, Barnard and DeBry disclose the system discussed in claim 13, and Barnard further discloses obtaining information about the workstation from fields send by a browser on the workstation (see paragraphs [0013] lines 5-18, [0038] lines 20-25, [0044] lines 1-3 and 20-28, and [0062]-[0064]).

***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. To further show the state of the art refer to the attached Notice of References Cited.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark R. Milia whose telephone number is (571) 272-7408. The examiner can normally be reached M-F 8:00am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler M. Lamb can be reached at (571) 272-7406. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mark R. Milia  
Examiner  
Art Unit 2625

MRM

JOSEPH R. POKRZEWIA  
PRIMARY EXAMINER  
ART UNIT 2625

*Joseph R. Pkzr*